**Supplementary Table 2.** Appraisal of risk of bias of the included studies using the Cochrane Effective Practice and Organization of Care risk-of-bias tool

		Risk of bias									
Study	BA: Using Coc Random sequence generation	hrane EPOC ri Allocation concealment	sk of bias tool [1 Similar baseline outcome measures	Similar baseline characteristics	Incomplete outcome data	Blinding	Contamination	Selective outcome reporting	Other bias		
Kolner 1986[40]	High risk	High risk	Low risk	Low risk	Low risk	Low risk	High risk	Low risk	High risk		
McKibbon 1991[45] Companion report: Haynes 1993[37]	Unclear risk	Unclear risk	Low risk	Low risk	Low risk	Low risk	Unclear risk	Low risk	Low risk		
Frasca 1992[34]	High risk	High risk	Low risk	Low risk	Low risk	Unclear risk	High risk	Low risk	High risk		
Erickson 1998[33]	Low risk	Low risk	Low risk	Low risk	Low risk	Low risk	High risk	Low risk	High risk		
Gruppen 2005[36]	High risk	High risk	Low risk	Low risk	Low risk	Unclear risk	High risk	Low risk	High risk		
Van Moorsel 2005[48]	High risk	High risk	Low risk	Low risk	Low risk	Unclear risk	Unclear risk	High risk	High risk		
Bradley 2002[26]	Low risk	Low risk	Unclear risk	Unclear risk	Low risk	High risk	High risk	Low risk	High risk		
Koufogiannaki s 2005[41]	Low risk	Low risk	Low risk	Low risk	Low risk	Low risk	High risk	Low risk	High risk		
Lechner 2007[42]	High risk	High risk	High risk	High risk	High risk	High risk	High risk	Unclear risk	High risk		
Cheng 2003[30] Companion report: Cheng 2004[31]	Unclear risk	Unclear risk	Low risk	Unclear risk	Low risk	Low risk	Unclear risk	Low risk	Low risk		
Mulvaney 2008[46]	Low risk	Low risk	Low risk	Low risk	Low risk	Low risk	Low risk	Low risk	Unclear risk		

Chen 2009[29]	High risk	High risk	Unclear risk	Low risk	Low risk	Unclear risk	High risk	Low risk	High risk
Eldredge 2008[32]	Low risk	Unclear risk	Low risk	Unclear risk	Low risk	Low risk	Low risk	Low risk	High risk
McGowan 2008[43] Companion report: McGowan 2012[44]	Low risk	Low risk	Low risk	Low risk	Low risk	Low risk	Low risk	Low risk	Low risk
Gardois 2011[35]	Low risk	Low risk	Low risk	Low risk	Low risk	Low risk	Unclear risk	Low risk	Low risk
Brettle 2013[27]	Unclear risk	Unclear risk	Low risk	Low risk	Low risk	Unclear risk	High risk	Low risk	High risk
Ilic 2012[38]	Low risk	Low risk	Low risk	Low risk	Low risk	Low risk	High risk	Low risk	High risk
Rosenberg 1998[47]	Low risk	Low risk	Low risk	Low risk	Low risk	Low risk	High risk	Low risk	High risk